

## Recombinant Human PARP1 protein(324-541aa), His-GST-tagged

Cat. No. PARP1-5332H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PARP1 protein(P09874)(324-541aa), fused with N-terminal His and GST tag, was expressed in E.coli.                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 324-541aa                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                 |
| <b>Molecular Mass</b>   | 55.2 kDa                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |

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**AA Sequence**

KTQTPNRKEWVTPKEFREISYLKKLKVKKQDRIFPPETSASVAATPPPSTASAPAAV  
 NSSASADKPLSNMKILTLGKLSRNKDEVKAMIEKLGKLTGTANKASLCISTKKEVEK  
 MNKKMEEVKEANIRVVSEDFLQDVSASTKSLQELFLAHILSPWGAEVKAEPVEVVAP  
 RGKSGAALSKKSKGQVKEEGINKSEKRMKLTGGAAGVDPDSGLEH

## GENE INFORMATION

**Gene Name** [PARP1 poly \(ADP-ribose\) polymerase 1 \[ Homo sapiens \]](#)

**Official Symbol** [PARP1](#)

**Synonyms**

PARP1; poly (ADP-ribose) polymerase 1; ADP ribosyltransferase (NAD<sup>+</sup>; poly (ADP ribose) polymerase) , ADPRT, poly (ADP ribose) polymerase family, member 1 , PPOL; poly [ADP-ribose] polymerase 1; PARP; poly(ADP-ribose) polymerase; poly(ADP-ribose) synthetase; poly[ADP-ribose] synthase 1; poly(ADP-ribosyl)transferase; ADP-ribosyltransferase NAD(+); NAD(+) ADP-ribosyltransferase 1; poly (ADP-ribose) polymerase family, member 1; ADP-ribosyltransferase (NAD<sup>+</sup>; poly (ADP-ribose) polymerase); PPOL; ADPRT; ADPRT1; PARP-1; ADPRT 1; pADPRT-1;

**Gene ID** [142](#)

**mRNA Refseq** [NM\\_001618](#)

**Protein Refseq** [NP\\_001609](#)

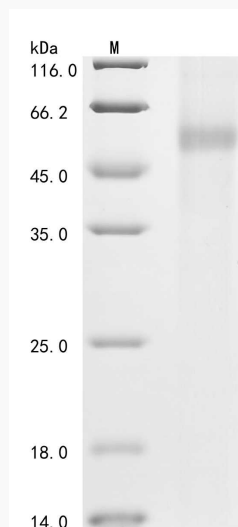
**MIM** [173870](#)

**UniProt ID** [P09874](#)

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**SDS-PAGE**

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